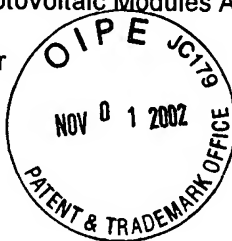


In re application of: Ronald C. Gonsiorawski
 Serial No.: 10/035,107
 Filed: 12/27/01
 For: Encapsulated Photovoltaic Modules And Method Of Manufacturing Same
 Art Unit: 1753
 Examiner: Brian L. Mutschler

Assistant Commissioner For Patents
 Washington, D.C. 20231



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Sir:

Transmitted herewith is an amendment in the above-identified application.

- ☐ Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.
☐ A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
☐ No additional fee is required.

The fee has been calculated as shown below:

Small Entity						Large Entity		
	Claims After Amend.		Most Claims Previously Paid For	Present Extra Claims	Rate	Additional Fee	Rate	Additional Fee
Total	13	Minus	22	0	x 9		x18	0
Indepen.	4	Minus	3	1	x 42		x84	84.00
Mult. Claims					+140		+280	

Total
 Additional
 Fee

Total
 Additional
 Fee \$84.00

☐ Please charge my Deposit Account No. 16-0221 the amount of \$_____. A duplicate copy of this sheet is attached.

☒ A check in the amount of \$84.00 is attached.

☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 16-0221. A duplicate copy of this sheet is attached.

- ☒ Any filing fees required under 37 CFR 1.16 for the presentation of extra claims.
☒ Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

Michael A. Pandiscio 10/15/02

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of: Ronald C. Gonsiorawski
Serial No.: 10/035,107
Filing Date: 12/27/01
For: Encapsulated Photovoltaic Modules And Method
Of Manufacturing Same
Group Art Unit: 1753
Examiner: Brian L. Mutschler
Attorney's Docket No.: ASE-08 CIP

5/A
W.M.
11/5/02

11 October, 2002

Assistant Commissioner For Patents
Washington, D.C. 20231

Sir:

AMENDMENT "A"

In response to the Official Action issued 16 May 2002, please amend the
above-identified application as follows:

IN THE SPECIFICATION:

Page 8 -- please replace the paragraph commencing in line 5 with the following
new paragraph:

AI
The present invention overcomes the problem of flux-induced ionomer
degradation by using a zinc-based ionomer as the encapsulant. It has been
determined that zinc-based ionomers exist that are transparent, stable and
capable of bonding adjacent components of a solar cell module. Such zinc-based
ionomers are exemplified by two DuPont products identified as SURLYN 1705-1
and SURLYN 1706. These polymers have excellent optical properties and high
hot tack strength. The exact chemical composition of these materials is not
known, but they are believed to be produced by adding a salt containing zinc
cations to a copolymer of ethylene-methacrylic acid, or to a copolymer of ethylene-
acrylic acid, and subjecting that composition to acid neutralization, resulting in the
formation of ion clusters within the resulting polymer matrix. The SURLYN 1705-1

ASE-08 CIP

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